ABSTRACT

A charge-transporting organic material containing a compound with a 1,4-dithiin ring, which is represented by the following formula (1), is described.

$$R^{1} - X \xrightarrow{p} R^{3} S \xrightarrow{R^{4}} q \qquad (1)$$

When using a thin film made of such an organic material in a low-molecular-weight organic EL (OLED) element and a polymer organic EL (PLED) element, EL element characteristics such as low drive voltage and high luminous efficiency can be improved. In addition, a charge-transporting varnish containing the compound with a 1,4-dithiin ring represented by the above formula (1) has good processing properties, and a thin film obtained therefrom has high charge-transporting characteristics and thus is effective for application to protective films for capacitor electrodes, antistatic films, solar cells or fuel cells.

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